L/F KANGAROO ISLAND

AUSTRALIAN POST OFFICE
ENGINEERING INSTRUCTION

AUTOMOTIVE PLANT
Mechanical Aids
CH 0103

DITCH WITCH M SERIES

1. TYPE OF MACHINE.

Excavator, trench; pneumatic tyre mounted, bucket line.

2. GROUP CLASSIFICATION.

Classification H.T.A.

FIG. 1.

3. MAKE AND MODEL.

Ditch Witch Model M3 and M4.

4. DIGGING RANGE.

Width of Trench	- 4"; 6"
Depth of Trench	- 2'0"; 2'0"
Min. distance from centre line of trench to fence line	- 21"

5. DISPOSAL OF SPOIL.

Spoil thrown to one side by a short auger. Sandy and other light soils may be scattered; heavier soils build up into a heap along the trench, with the edge of the heap about 18" from the centre line of the trench.

6. MOVEMENT BETWEEN JOBS.

On 10 cwt. plant trailer provided for the purpose, trail behind a vehicle at road speeds.

7. DIMENSIONS.

	Operating:
Overall length	- 9'0".
Overall width	- 3'10".
Overall height	- 6'3" with long exhaust pipe. 3'9" with short exhaust pipe.
Weight (approximately)	- 650 lbs.
Distance from centre line of boom to outside edge of machine on spoil disposal side	- 20".
Distance from centre line of boom to outside edge of machine on control side	- 26".

8. METHOD OF DIGGING.

Bucket line with inclined boom. Teeth or cutters attach to carriers on endless chain and drag removed material up inclined face of trench. Number of bucket line speeds - One.

9. CONTROL OF DIGGING SPEEDS.

Three digging speeds are provided through the transmission gearbox - 1½, 3 and 6 feet per minute.

10. TRAVELLING SPEED.

One road speed - 3 m.p.h.

11. METHOD OF RAISING DIGGING BOOM.

Hand operated screw jack.

12. OPERATOR CONTROL.

Some controls are at end of machine opposite digging chain and some at side opposite spoil disposal auger. Operator walks around machine.

13. ENGINE.

Air cooled petrol.

END.